Report for the year 1938.

GRIMSBY PORT HEALTH AUTHORITY.

The general description of the Port is still similar to that contained in the Annual Report for 1933.

1. AMOUNT OF SHIPPING ENTERING THE PORT DURING THE YEAR.

TABLE A.

	Number.	Tonnage.	Number inspected. By the Medical Officer of Health.	Number inspected. By the Health Inspr.	Number reported to be defective	Number of vessels on which defects were remedied	Number of vessels reported as having or having had during voyage infectious disease on board.
Steamers.	X. 507.	309,346.	10.	560.	42.	40.	5.
Motor. ø	39.	8,329.	Nil.	31.	3.	3.	Nil.
Foreign :- Sailing.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.
Fishing.	2436.	178,903.	Nil.	179.	18.	18.	Nil.
Total Foreign :-	2982.	496,488.	10.	770.	63.	61.	5.
Steamers.	X. 105.	28,361.	Nil.	161.	13.	10.	Nil.
Motor. ø	183.	20,144.	Nil.	46.	2.	Nil.	Nil.
Coastwise :- Sailing.	2.	138.	Nil.	Nil.	Nil.	Nil.	Nil.
Fishing.	Nil.	Nil.	Nil.	658.	109.	109.	2.
Total Coastwise:-	290.	48,643.	Nil.	865.	124.	119.	2.
Total Foreign & Coastwise:-	3272.	545,131.	10.	1635.	187.	180.	7.

X. As per Customs Returns. ø Includes mechanically propelled vessels other than steamers.

Number of Vessels under 100 Tons entering the Port during the year.

British ..... 1843. Tonnage ..... 165,870.

Foreign ..... 12. do ..... 1,040.

Number of foreign & Coastwise Fishing Vessels and Tonnage, excluding inshore Fishing boats and Herring Drifters.

Foreign ..... 3324. Tonnage ..... 449,954.

Coastwise ... 10113. do ..... 775,507.

PORT HEALTH AUTHORITY
GRIMSBY

ROUTINE INSPECTION OF VESSELS ARRIVING AT THE PORT.

FOREIGN:-

British Steam Ships	149.
" Motor Vessels	3.
" " Fishing Vessels	Nil.
" Sailing Ships	Nil.
Foreign Steam Ships	300.
" Motor Vessels	22.
" " Fishing Vessels	Nil.
British Steam " "	119.
Foreign " " "	1.
Total:-	594.

COASTWISE:-

British Steam Ships	86.
" Motor Vessels	26.
" " Fishing Vessels	Nil.
" Sailing Ships	Nil.
Foreign Steam Ships	37.
" Motor Vessels	20.
" " Fishing Vessels	Nil.
British Steam " "	433.
Foreign " " "	Nil.
Total:-	602.

Foreign	594.
Coastwise	602.
	1196.

Re-inspections ..... 439.
(The above are included under inspections in Table A).

THE NATIONALITIES OF THE VESSELS WERE AS FOLLOWS.

British	815.
Danish	135.
French	59.
Norwegian	33.
Finnish	38.
Dutch	32.
Icelandic	19.
Estonian	11.
Swedish	35.
German	7.
Belgian	2.
Latvian	6.
Spanish	3.
Russian	1.
Total:-	1196.

11. CHARACTER OF TRADE OF PORT.

TABLE B.

(a) Passenger Traffic during the year

Number of Passengers.	1st Class.	2nd Class.	3rd Class.	Transmigrants.
Inwards	1190.	Nil.	Nil.	49.
Outwards	No class shewn. 1180.			24.

~~INSERT ALIENS RETURN HERE.~~

(b) Cargo Traffic.

Principal imports:-

Timber, Wood-pulp, Fish, Foodstuffs and general.

The figures in Tons for 1938, compared with the previous year are as follows:-

	1938.	1937.		Increase or Decrease.
Bacon	44,271.	44.292.	-	21.
Butter	50,073.	47,040.	+	3,033.
Eggs	8,620.	8,256.	+	364.
Sleepers & logs.	5,748.	3,942.	+	1,806.
Wood pulp	114,800.	145,367.	-	30,567.
Sundries	38,343.	45,242.	-	6,899.

Principal exports:-

Coal and Coke, Fish, Fish-meal and general.

Steel	11,413.	17,162.	-	5,749.
Pig Iron	1,709.	3,916.	-	2,207.
Paper	1,733.	1,115.	+	618.
Dry,Salt Fish ..	11,972.	5,596.	+	6,376.
Coal & Coke ..	1,030,796.	1,120,491.	-	89,695.
Sundries	14,546.	19,419.	-	4,873.

During the year the total quantity of edible fish (including foreign) landed was 4,316,074 cwts., and the value of same £4,252,252. - over a quarter of a million more than last year.

Foreign Ports from which vessels arrive.

RUSSIA --- Archangel, ~~Igarka~~, Kovda, Leningrad, Marmansk, Onega.

NORWAY --- Drammen, Fredrikstad, Larvik, Oslo, Trondhjem, ARENDAL, Kragero, CHRISTIANSUND, Bergen.

SWEDEN --- GOTHENBURG, Gefle, Hernosand, Soderhamp, STOCKHOLM, Sundsval, SKELLEFTEA.

FINLAND --- HELSINGFORS, Kotka, TRANGSUND, Viborg, KEMI, Xypila, Helsinki, Ulsahorg, Mesane, Toppila, Igerka.

GERMANY --- HAMBURG, Konigsberg, BREMEN, Stettin.

HOLLAND --- ROTTERDAM, AMSTERDAM, Groningen.

BELGIUM --- ANTWERP, Ghent.

FRANCE --- DIEPPE, LE HARVE, Brest, CALAIS, Bordeaux, Bayonne, Rouen, Dunkirk, Marseilles.

DENMARK --- ESBJERG, Fredricksund, Copenhagen.

PORTUGAL --- Faro, Lisbon, Oporto.

SPAIN --- Seville, Valencia, Cartagena, Barcelona, Huelva.

LATVIA --- RIGA, Ventspels, Libau.

ESTONIA --- TALLIN.

POLAND --- GDYNIA.

ICELAND --- REYKJAVIK.

DANZIG --- DANZIG.

CANAL BOATS ACT.

722 entered the Port during the year, of which 81 were inspected. No infectious disease occurred on any of the Canal Boats during the year.

Infringements of the Act dealt with were :-

Certificates not identifying owners with boats	1.
Masters without Certificates	15.
Boats not properly marked	27.
Cabins require painting	10.
" out of repair	22.
" delapidated	1.
Without proper water vessels	6.
Total:-	82.

32 Notices were served on owners. No legal proceedings were taken in respect of infringements. The number of infringements found continues to be high.

111. WATER SUPPLY.

The town water supply is available for the port and for shipping. All precautions are taken against contamination.
There are two water boats in use, one in each dock : they are in good sanitary condition.

The water supply for the fish market is being adequately chlorinated by the Railway Company, and about 300,000 gallons per day are used. Unfortunately the Railway Company have not yet provided facilities for making this chlorinated supply available for washing out the fish rooms of trawlers.

1V. PORT SANITARY REGULATIONS. 1933.

The information under these Regulations is as described in the Annual Report for 1934, except in regard to paragraph 10 relating to venereal disease. This is shewn at the end of Table D.

TABLE C.

Cases of infectious sickness landed from Vessels.

Disease.	Number of cases during the year		No of Vessels concerned.	Average number of cases for previous 5 years.
	passengers	Crew		
Influenza	-	4.	3.	55.
Scabies	-	2.	2.	Nil.
Pneumonia	-	1.	1.	Nil.

TABLE D.

Cases of infectious sickness occurring on Vessels during the voyage but disposed of prior to arrival.

Disease.	Number of cases during the year		No of Vessels concerned.	Average number of cases for previous 5 years.
	Passengers	Crew		
Pneumonia	-	-	-	1.

No cases of Plague, Cholera, Yellow Fever, Smallpox or Typhus occurred, or any plague infected rats discovered during the year.

Venereal Disease.

During the year, there was a total of 331 attendances by 101 foreign seamen at the Grimsby Clinic.

Of the above number, 32 were found to be suffering from syphilis, 45 from gonorrhoea, and 24 were found not to be suffering from venereal disease.

TABLE 6.

Means of activities directed toward other children.

Groups	Number of groups during the year		Mean of frequency measurements	Standard error of mean (if mean is 10 frequency measurements)
	Experimental	Control		
Preschoolers	[illegible]	[illegible]	[illegible]	[illegible]
Juniors	[illegible]	[illegible]	[illegible]	[illegible]
Seniors	[illegible]	[illegible]	[illegible]	[illegible]

TABLE 6.

Means of activities directed toward other children during the nursery and kindergarten or school in seniors.

Groups	Number of groups during the year		Mean of frequency measurements	Standard error of mean (if mean is 10 frequency measurements)
	Experimental	Control		
Seniors	[illegible]	[illegible]	[illegible]	[illegible]

In terms of figures, however, further study, including the group measurement, on the joint interest and cooperation among the group.

Personal Contacts

Among the group, there was a total of [illegible] distinctions in the Charlie scores at the between [illegible].

If the study another, it was found as to activities [illegible] activities, in free conversation, and in [illegible] and in activities and personal contacts.

V. MEASURES AGAINST RODENTS.

Numbers 1 to 5 as described in Annual Report for 1934.

Rats destroyed during the year.

TABLE E.

(1) On Vessels

Number of	Jan	Feb	Mch	Apl	May	June	July	Aug	Sep	Oct	Nov	Dec	Total
Black Rats	10	8	10	6	20	12	20	8	16	12	17	5	144
Brown Rats	9	4	3	5	16	5	6	6	6	4	6	3	73
Species not recorded			----------				Nil				----------		
Examined		4	2	2	2	4	4	4	-	4	2	2	
Infected with plague			----------				Nil				----------		
												Total :-	217.

TABLE F.

(2) In Docks, Quays, Wharves, and Warehouses.

Number of	Jan	Feb	Mch	Apl	May	June	July	Aug	Sep	Oct	Nov	Dec	Total
Black Rats	120	84	171	67	95	47	56	100	72	67	175	67	1121
Brown Rats	298	199	200	294	460	368	291	283	179	198	280	190	3240
Species not recorded			----------				Nil				----------		
Examined			2	2	2						2	2	
Infected with plague			----------				Nil				----------		
												Total :-	4361.

Rats examined for Plague or other Diseases.

14 black Rats and 26 brown Rats were sent for examination.

The report from the Analyst is as follows :-

These Rats have been examined and found to be free from B.Pestis, or other diseases.

INTERNATIONAL SANITARY CONVENTION.

During the year 61 Deratisation Exemption Certificates were issued.

436 traps were set by the rat searcher on 61 vessels and 90 rats were caught, the balance of 127 being from vessels making a total of 217.

It has not been found necessary to fumigate any vessel under the above "Convention" for the following reasons:-

Vessels trading to and from this port are mostly engaged between the Baltic and Continental ports. The nature of the trade is such that the cargoes of the vessels are seldom in for more than a week, and in a number of cases for only 36 hours; this leaves little chance for rats to nest or harbour.

There are no food cargoes in most of these ships.

Special attention is paid to the work of detecting rats in warehouses, wharves, quays etc., and when necessary trapping and laying of poison baits are resorted to.

TABLE G.

Measures of Rat Destruction on Plague "Infected" of "Suspected" Vessels from plague infected ports arriving in the port during the year --- Nil.

TABLE H.

Deratisation Certificates and Deratisation Exemption Certificates issued during the year.

Nett Tonnage.	No of Ships.	No of Deratisation Certificates issued.					No of Deratisation Exemption Certificates issued.	Total Certificates issued.
		After fumigation with			After trapping poisoning etc.	Total.		
		H.C.N.	Sulphur.	H.C.N. & Sulphur				
1.	2.	3.	4.	5.	6.	7.	8.	9.
Ships up to 300 Tons	23.	-	-	-	-	-	23.	23.
" from 301 " to 100 Tons	34.	-	-	-	-	-	34.	34.
" " 1001 " " 3000 "	4.	-	-	-	-	-	4.	4.
" " 3001 " "10000 "	Nil.	-	-	-	-	-	Nil.	Nil.
Over 10000 Tons	Nil.	-	-	-	-	-	Nil.	Nil.
Totals:-	61.	-	-	-	-	-	61.	61.

TABLE 6.

Number of and Participation in Issues "Tendency" or "Conflict" Figures for Other Internal Peace Activity in the past during the past ---- (1).

TABLE 6.

Participation Activities and Participation Conflict Activities Issued during the past.

Part Taken.	No. of Issues.	No. of Participation Activities Issued.					No. of Participation Conflict Issued.	Total Conflicts Issued.
		Other Conflicting Acts				Total.		
		Local.	Country.	Local + Country.	Other Acts.			
	(1).	(2).	(3).	(4).	(5).	(6).	(7).	(8).
Going to the Polls	(2).	-	-	-	-	-	(2).	(2).
" Time and I to the Polls	(3).	-	-	-	-	-	(3).	(3).
" " Time + I Going "	(4).	-	-	-	-	-	(4).	(4).
" Going + Talking "	(11).	-	-	-	-	-	(11).	(11).
Other Local Acts	(12).	-	-	-	-	-	(12).	(12).
Totals:-	(2).	-	-	-	-	-	(2).	(2).

VI. HYGIENE OF CREW'S SPACES.

TABLE J.

Classification of Nuisances.

Nationality of Vessel.	Number inspected during year.	Defects of original construction.	Structural defects thro wear & tear.	Dirt, Vermin, and other conditions prejudicial to health.
British	1149.	1.	149.	142.
Other Nations	486.	2.	37.	41.

SANITARY IMPROVEMENTS EFFECTED.

STEAMERS.

Defective ventilators replaced.. 3.
" plate ships side rep.. 2.
" radiators repaired ... 4.
" decks " ... 6.
" doors " ... 5.
" Bunks " ...15.
" port frames " ...10.
" lights " ... 3.
" bulkheads " ... 4.
" stoves " ... 2.
" W.C. flush pipes rep.. 2.
" W.C. seats repaired... 3.
W.CS painted ..... 6.
" choked, cleared.....21.
Drainage remedied ..... 1.

Dirty wash houses cleansed.... 6.
Galleys cleansed ..... 2.
Food lockers " .....31.
Seat " " .....10.
Bunks " .....49.
Tanks " .....14.
Leaky overhead decks repaired. 2.
Qrs painted wholly or in part.17.
" cleansed .....20.
Bilges cleansed & disinfected. 1.
F'csles " " repainted... 2.
Ventilation improved ..... 1.
Verminous Vessels fumigated ..15.
" " sprayed .... 8.

TRAWLERS.

Defective bunks repaired .....25.
" stoves " .....27.
" food lockers rep.....16.
" decks " ..... 7.
" chain pipes " ..... 9.
" deck lights " ..... 1.
" bulkheads " ..... 1.
" linings " ..... 3.
W.Cs repaired ..... 1.
" soil pipe repaired ..... 1.
" connection " .....11.
" seat " ..... 1.
" basin renewed ..... 1.
" painted .....49.
" cleansed .....55.

Dirty seat lockers cleansed..284.
" bunks " .1735.
" transom " " . 142.
" food " " . 387.
" Galleys etc. " . 147.
" Wash houses " 4.
" " " painted.. 2.
" beds destroyed ..... 517.
" tanks cleaned ..... 4.
Qrs painted wholly or in part174.
" cleansed ..... 181.
Verminous Vessels fumigated. 106.
" " sprayed... 6.

On nearly all fishing vessels the forecastles are used for the storing of ships stores and gear. This applies particularly to the smaller vessels in which deck store houses are not provided or, if provided, are of very limited capacity. There is no doubt that this practice contributes largely to the difficulty of keeping crews' quarters clean and in good condition. Unfortunately there seems to Be no reasonable solution to the problem as extensive structural alterations would be necessary.

TABLE 6.

Administration of Schools.

Nationality of Teacher.	Teacher employed during [illegible] year.	Number of pupils enrolled [illegible].	Attendance [illegible] year's [illegible].	Non-Tonga, other Australian [illegible] in Samoa.
Tonga	1140.	1.	100.	100.
Other Samoan	400.	8.	97.	61.

Detailed Inspection Reports.

Samoan.

Interesting ventilators provided.. 3. Other rough houses elsewhere.... 2.
" place daily dusted.... 2. Sanitary elsewhere ..... 3.
" mosquitoes required ... 6. Yard leaders " .....11.
" desks " ... 3. Mats " .....10.
" floors " ... 3. Tables " .....27.
" books " ...12. Chairs " .....6.
" Good Tongan " ...10. Large overhead cooks teaching. 2.
" lights " ... 3. No lighter ability or 15 pupils.17.
" bathrooms " ... 6. " classed .....20.
" stores " ... 2. Better classed 1 [illegible]. 1.
" 2.6. Clean piped [illegible].. 1. Trades " " Teachers... 7.
" 7.7. water required.. 2. Ventilation improved ..... 1.
7.22 pupils ..... 6. Tuvalian Tuvalu Teachers ..1.
" school classed.....21. " " Samoa .... 2.
Tuvalian teachers ..... 1.

Tongan.

Interesting lesson required .....22. Other rough houses elsewhere...20.
" sleeps " .....22. " Tonga " .....17.
" Good Samoan teachers.....1. " Samoan " " .....14.
" books " ..... 7. " Tuvalu " " .....10.
" small plant " ..... 2. " Samoan sub. " .....34.
" Good lights " ..... 1. " Tongan " " .....8.
" bathrooms " ..... 1. " " " Tuvalu. 7.
" lighted " ..... 2. " cook assistant ..... 22.
7.22 required ..... 6. " School classed ..... 4.
" milk also provided ..... 1. " Good interest shown in in society.
" measuring " .....1. " Classed ..... 20.
" work " .....1. Teachers Tuvalu Tuvalu. 14.
" beds required .....1. " " Samoan.... 27.
" pillows .....20.
" classed .....20.

It shows all Tongan records the improvements are used for the sewing of skirts always the best. This subject particularly is the weaker vitality in which have shown lessons has not improved in it. Arts of very learned generally. Where it is done but the [illegible] contributes largely to the difficulty of teaching [illegible] matters also and in part training. Unfortunately there seems to be frequently activity on the teachers or necessary practical alterations needs to improvement.

CREWS' QUARTERS.

Particular attention is paid to the condition of crews' accommodation and it is pleasing to note that there is a very definate improvement in the way that these are maintained, due in no small measure to the added interest which Masters and Officers are taking in them.

The older type of common forecastle is gradually disappearing and being substituted by two or four berth cabins, thus eliminating many of the insanitary conditions which existed on board ship.

It is satisfactory to note the gradual conversion of the old trough closets into ones of more modern standards.

The standard of ventilation is also much improved, especially in the newer type of vessel and also larger port holes than heretofore, thus greatly improving the natural lighting.

Serious bug infestation of crews' quarters still causes some concern, especially in older vessels with wooden bunks, but it is very gratifying to know that this nuisance is tackled in no uncertain manner on the Master's or Agent's attention being drawn to it.

V11. FOOD INSPECTION.

PUBLIC HEALTH (IMPORTED FOOD) REGULATIONS.1937.

Quantities and descriptions of food seized and forfeited during the year.

Nature of Article.	Tons	Cwts	Qrs	Stns	Why Condemned.	Whether seized or forfeited	How disposed of.
Haddocks.	152	10	3	1	Decomposed.	Forfeited.	Sent to Meal Works
Codling	159	17	2	1	"	"	"
Catfish	123	1	1	1	"	"	"
Dabs	20	18	1	-	"	"	"
Colefish	15	17	-	-	"	"	"
Cod	32	6	3	-	"	"	"
Roker	8	15	2	1	"	"	"
Roes	3	9	-	1	"	"	"
Plaice	4	14	3	1	"	"	"
Halibut	2	16	3	1	"	"	"
Sea Bream	2	6	-	-	"	"	"
Whiting	4	5	1	-	"	"	"
Herrings	2	9	-	-	"	"	"
Dogfish	1	16	-	-	"	"	"
Mackerel	3	6	1	1	"	"	"
Tusk		14	-	-	"	"	"
Ling		7	2	-	"	"	"
Skate		3	3	-	"	"	"
Hake		6	1	1	"	"	"
Gurnards		13	1	1	"	"	"
Lemon Soles		13	-	2	"	"	"
Megrims		2	2	-	"	"	"
Turbot		1	-	-	"	"	"
Soles		1	1	-	"	"	"
Witches		2	2	-	"	"	"
Brill		3	-	-	"	"	"
Salmon		4	-	-	"	"	"
Conger Eels		3	3	-	"	"	"
Crabs 29 Score.							
Total Condemned	542	7	-	-	"	"	"
Quantities of Fish remaining Unsold	742	6	-	-	"	"	"
Total :-	1284	13	-	-			

X. In previous years the whole of the above has been shewn under one heading.

[illegible] Taluka Industries Centre.

Conditions and description of Cows calves and Carting Animal for Sale.

Nature of Animal.	Cows	Bulls	Bullocks	Heifers	Calves	Name of Breeding.	Whether going to Slaughter or Survival	Any Remarks
Bullocks.	120	12	3	1	-	Gaurkhan.	Survival.	Fight to save [illegible]
Cattle	120	17	2	2	-	"	"	"
Bullock	120	1	1	1	-	"	"	"
Bulls	20	11	1	-	-	"	"	"
Calves	12	17	-	-	-	"	"	"
Ox	20	2	2	-	-	"	"	"
Cows	2	14	4	2	-	"	"	"
Bulls	2	7	-	1	-	"	"	"
Calves	4	14	3	2	-	"	"	"
Cattle	2	10	4	2	-	"	"	"
Cow Cows	2	4	-	-	-	"	"	"
Cattle	4	3	1	-	-	"	"	"
Carriage	4	7	-	-	-	"	"	"
Bullock	2	14	-	-	-	"	"	"
Bullock	2	4	1	1	-	"	"	"
Cows		14	-	-	-	"	"	"
Cow		7	1	-	-	"	"	"
Bullo		3	1	-	-	"	"	"
Bulls		4	2	1	-	"	"	"
Cows		13	1	1	-	"	"	"
Cows Calve		11	-	-	-	"	"	"
Bullock		2	2	-	-	"	"	"
Bullo		4	-	-	-	"	"	"
Calve		1	1	-	-	"	"	"
Cattle		1	-	-	-	"	"	"
Bull		4	-	-	-	"	"	"
Calve		4	-	-	-	"	"	"
Cows Calve		2	2	-	-	"	"	"
Supply of [illegible]								
Total Breeding	24	2	-	-	-	-	-	-
Quantity of Milk producing Animal	140	6	-	-	-	-	-	-
Total :-	1200	28	-	-	-			

2. In previous years the chief of the [illegible]
the best Gaurkhan [illegible] the Station.

EX RAIL.

Nature of Article.	Quantity.	Why Condemned.	Whether seized of forfeited.	How disposed of.
Mixed Fish.	83. Stns.	Decomposed	Forfeited.	Sent to Meal Works.
Kippers	199. " .	"	"	"
Wet Fillets	19. " .	"	"	"
Skate	13. " .	"	"	"
Dogfish	97. " .	"	"	"
Hake	30. " .	"	"	"
Dry Fish	1. " .	"	"	"
Cod	4. " .	"	"	"
Chitterlings	3. " .	"	"	"
Trout	8. " .	"	"	"
Lemon Soles	1. " .	"	"	"
Mackerel	9. " .	"	"	"
Plaice	9. " .	"	"	"
Halibut	3. " .	"	"	"
Roker	5. " .	"	"	"
Sprats	3. " .	"	"	"
Roes	6. " .	"	"	"
Prawns	4. " .	"	"	"
Crayfish tails	9. " .	"	"	"
FISH CURING HOUSES.				
Bloaters	24. " .	"	"	"
Herrings	4. " .	"	"	"
EX ESBJERG.				
Pigs Maws	19. Casks.	"	"	To Corporation Destructor.

Shell Fish.

There are no shell-fish beds in the area of the Port Health Authority.

The layings from which the oysters are marketed in this district are Hunstanton and Brightlingsea.

Number of Samples of Food examined by:-

(a) Bacteriologist:- Nil.

(b) By Analyst:-

Nature of Sample	Result of Examination.
Jellied veal.	Free from Preservatives.
Brawn.	" " "
Strawberry Pulp.	" " "

I am indebted to Mr. A. Martin, Chief Port Health Inspector, for the details of the sanitary work carried out in the district during the year.

DISTRICT.

1952 Inspections and re-inspections have been made re defects and nuisances during the year.

SANITARY IMPROVEMENTS EFFECTED.

GENERAL.

Eaves gutters repaired	17.
Roofs "	13.
Walls "	16.
Doors renewed or "	4.
Floors relaid " "	21.
Staircases "	1.
Windows "	20.
Stoves "	1.
Down spouts "	24.
Smoke holes "	2.
Yard surfaces "	4.
Road surfaces "	1.
Eaves gutters cleansed	1.
Walls "	199.
Floors "	7.
Staircases "	12.
Down spouts "	1.
Ceilings "	20.
Yard surfaces drainage provided	1.
Doors "	1.
Means of heating "	2.
Ashpit "	1.
Water supply "	5.
Washing facilities "	9.
Wash basins renewed	1.
Ventilation improved	3.
Lighting "	2.
Down spouts disconnected from drain	2.
Smoke holes reconstructed	5.
Accummulations of rubbish removed	16.

DRAINAGE

New drains constructed	44.
" reconstructed	1.
" repaired	9.
" ventilated	12.
" cleansed	7.
Rodding eyes provided	6.
Intercepting traps provided	3.
Sewage plant "	1.
Inspection chambers "	11.
" " repaired	3.
New gullies provided	30.
" cleansed	10.
Waste pipe disconnected from drain	1.

WATER CLOSETS.

New W.Cs provided	26.
" privies "	1.
Insanitary or unsuitable W.Cs abolished	8.
" " " " reconstructed	4.
Ventilation improved	2.
Water supply provided	1.
New basins fixed	3.
New soil pipes fixed	1.
Doors renewed or repaired	2.
Flush pipe renewed	1.
Cisterns repaired	2.
Roof "	1.
Walls "	6.
Floors "	3.
Soil pipes "	3.
Seats "	2.
Connections "	4.
Flush pipe "	1.
W.Cs cleansed	73.
Walls "	2.
New urinals provided	2.
" cleansed	2.
Insanitary or unsuitable urinals abloished	1.

60 letters and informal notices were served on owners or occupiers during the year.

FISH MARKET.

Fish Merchants stands cleansed	210.
" " utensils "	416.
" " ice bins "	205.
" " new ice bins	14.
" Curers kits (lots) cleansed	107.
" Merchants carriers "	68.

A large number of dirty offal barrels were cleansed, and foul fish boxes destroyed.

ADDITIONAL FISH MARKET FACILITIES.

The construction of the new fish market, referred to in the Annual Report of 1937, is proceeding steadily. Several sections have been completed and 790 lineal feet of the new quay and market are now in use.

The second and final part of the scheme has now commenced and when completed will add a further 490 lineal feet of excellent market accommodation.

The method employed of constructing the new market in sections and opening each section immediately on completion ensures that little disorganisation of the industry occurs.

As mentioned in the last report, it is proposed to erect filleting houses at the extreme end of the new market.

This work has not yet been commenced.

PUBLIC CONVENIENCES.

There are a large number of these situated on the docks. They are the property of the Railway Company, and are generally kept in good order.

LIVER BARRELS.

These are getting less in number due to many of the vessels now extracting the oil from the livers on board and discharging the crude oil into iron drums. The old liver barrels are now only found on a few North Sea Boats.

FISH CARRIERS (BARRELS).

These are principally used by fish curing firms, and are a constant source of trouble, due to them not being properly cleansed. Your Inspectors have paid most particular attention to them during the past few months, and there is a marked improvement, but they still leave quite a lot to be desired.

Many firms have not yet appreciated that these barrels are intended to convey fish presumed to be for human consumption.

NON-RETURNABLE BOXES.

It is hoped some day to convert the trade to a proper appreciation of the fact that the adoption of some type of non-returnable fish-box would do a great deal to improve the value of goodwill existing throughout the country towards the Grimsby fish trade. At the same time the quality of the fish on arrival at its destination would be improved.

TRAWLER OWNER'S BOXES.

There has been a marked improvement in the way in which these boxes are kept.

The Grimsby Trawler Owners Federation have now secured a building which they are reconstructing to enable them to deal with the washing of these boxes on much more modern lines.

RATS & MICE (DESTRUCTION ACT), 1919.

With reference to the above act, 587 inspections and reinspections were made.

4,361 rats were caught on premises, of these 1,121 were black and 3,240 were brown.

A regular system of examination is carried out in stores, warehouses, etc. If rats or traces of rats are found in any building, orders are at once given for their clearance either by traps, poison or fumigation.

Leaflets are distributed pointing out the obligations under the Act, also the penalties for non-compliance.

A card index is kept of all buildings, etc., in which rats have been found.

PARROTS (PROHIBITION OF IMPORT) REGULATIONS, 1930.

One notice was issued during the year.

THE SHOPS ACTS, 1912-1934.

Periodical inspections are being carried out under the above Acts.

[illegible]

[illegible]

[illegible]

FACTORIES ACT, 1937.

These places are kept under constant supervision, a card index record kept as to the nature of the trade carried on and their conditions.

Further particulars will be found in copy of Home Office Form below:-

1. INSPECTIONS for purpose of provision as to health.

Including inspections made by Sanitary Inspectors

Premises. (1)	Number of Inspections (2)	Written Notices (3)	Occupiers Prosecuted. (4)
Factories with mechanical power	830.	1.	Nil.
Factories without " "	788.	77.	Nil.
Other premises under the Act (including works of building and engineering construction but not including outworkers' premises).	Nil.	Nil.	Nil.
Total	1618.	78.	Nil.

2. DEFECTS FOUND

Particulars. (1)	Number of Defects. Found (2)	Remedied (3)	Referred to H.M. Inspector (4)	Number of defects in respect of which Prosecutions were instituted (5)
Want of cleanliness (S.1)	156.	154.	Nil.	Nil.
Overcrowding (S.2)	Nil.	Nil.	"	"
Unreasonable temperature (S.3)	"	"	"	"
Inadequate ventilation (S.4)	2.	1.	"	"
Ineffective drainage of floors (S.5)	21.	18.	"	"
Sanitary Conveniences (S.7) (insufficient	8.	6.	"	"
Sanitary Conveniences (S.7) (Unsuitable or defective	19.	12.	"	"
Sanitary Conveniences (S.7) (not separate for sexes	Nil.	Nil.	"	"
Other offences	55.	43.	"	"
Total	261.	234.	Nil.	Nil.

[illegible]

These classes were fairly under standard supervision, a very large number [illegible] on to the nature of the task assigned to the [illegible] satisfactorily.

Further particulars will be found in any of some details from below:-

1. [illegible] for purpose of comparison as to health.

Relating information made by health inspectors

Classes.	Number of children		
	[illegible] (2)	[illegible] (3)	[illegible] (4)
Pupils with [illegible]	[illegible]	1.	[illegible]
Pupils with [illegible]	[illegible]	[illegible]	[illegible]
Other pupils under the age [illegible] (including cases of building and [illegible] conditions but not including [illegible])	[illegible]	[illegible]	[illegible]
Total	[illegible]	[illegible]	[illegible]

2. [illegible]

Activities.	Number of children.			Number of children [illegible]
	Total	[illegible]	[illegible]	
(1)	(2)	(3)	(4)	(5)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	"	
[illegible]	"	"	"	
[illegible]	[illegible]	[illegible]	"	
[illegible]	[illegible]	[illegible]	"	
[illegible]	[illegible]	[illegible]	"	
[illegible]	[illegible]	[illegible]	"	
[illegible]	[illegible]	[illegible]	"	
Total	[illegible]	[illegible]	[illegible]	[illegible]

OFFENSIVE TRADES.

The trades scheduled as offensive trades within the Port of Grimsby are the trades of a Fish Curer and a dealer in fish offal. The Liver Oil Factory also is so scheduled.

FISH MEAL WORKS.

Only one of these is situated in the Dock Area, and it is kept under constant supervision. No cause for complaint was found. The proprietors are at all times most courteous and willingly co-operate with the Health Department in all matters with which they are concerned.

FISH CURING HOUSES.

There are 36 fish curing houses situated within the dock area.

As pointed out in previous reports many fish curers carry on a wet fish business in addition to that of fish curing, the curing house being used for purposes in connection with both businesses.

During the year extensive repairs have been carried out at several curing houses.

The work done being principally in connection with drainage improvements, relaying of defective floors, and the improvement of sanitary accommodation.

Under the bye-laws a notice is served twice yearly requiring limewashing of the premises.

All curing houses are systematically inspected in order to ensure compliance with these notices and also to see that a reasonable standard of cleanliness is constantly maintained.

It is a pleasure to record that practically all of the work required at these premises has been carried out promptly by the several owners concerned and in full co-operation with the Authority's Officers.

FISH LIVER OIL FACTORY.

A fish liver oil factory, well equipped with modern plant for extracting oil from livers and refining same, is established on the North Wall, No3 Fish Dock.

The factory is well conducted and there has been no cause for complaint during the year.

FISH CLEANING & PACKING HOUSES.

There are 40 fish cleaning houses situated within the dock area.

These premises are systematically inspected and no difficulty has been experienced in securing a reasonable standard of cleanliness, both in respect of premises and processes.

Generally, the premises employed are in a fair state of repair and where necessary a notice has been served requiring improvement.

In the case of new premises or the reconstruction of old premises, it is gratifying to record that the owners concerned usually seek the advice of the Health Department.

[illegible]

[illegible]

[illegible]

FISH WASTE.

Fish waste from all premises situated within the dock area is taken to the meal works and converted into fish meal.

A daily collecting of fish waste is in operation and is undertaken by the proprietors of the meal works.

The daily collection of fish waste ensures that all waste collected is in fresh condition, as there is little or no risk of it having reached a state of decomposition, and this, together with the cleansing of the barrels used, reduces the risk of nuisance arrising to a minimum.

The system operates satisfactorily and there has been no cause for complaint during the year.

The Railway Company have given special attention to road sweeping and the collection of refuse during the year with satisfactory result. Considerable sums of money have been spent on improving certain sections of the road surfaces.

No sickness of a serious nature occurred in the dock area during the year.

I acknowledge with thanks the cordial co-operation which we receive from H.M.Customs and Waterguard and from H.M. Immigration Officers, also the Port Master and the Dock Officials of the London and North Eastern Railway Company.

SECTION G. - PORT SANITARY SERVICE.

The general description of the Port is still similiar to that contained in the Annual Report for 1933, but the work foreshadowed in the last Report has been put in hand by the London and North Eastern Railway Company. A section of the Market has been completely reconditioned, and the work is now nearing completion, additional water hydrants have been installed.

A good deal of road repair work has been undertaken.

In addition, the Railway Company have promised to provide a sanitary convenience for those female passengers embarking on the East Side of the Water Tower.

Grimsby P.H.A. 1934.

1. AMOUNT OF SHIPPING ENTERING THE PORT DURING THE YEAR.

TABLE. A.

		Number	Tonnage	Number inspected. By the Medical Officer of Health.	Number inspected. By the San Insptr.	Number reported to be defective	Number of vessels on which defects were remedied	Number of Vessels reported as having or having had during voyage infectious disease on board.
Foreign :-	Steamers	X 574	381,681.	1	533	128	28	1
	Motor	18	8,218	Nil	11	Nil	Nil	Nil
	Sailing	Nil	Nil	Nil	Nil	Nil	Nil	Nil
	Fishing	2,436	164,610	Nil	350	54	32	Nil.
Total Foreign :-		3,028	554,509	1	894	182	60	1
Coastwise :-	Steamers	X 101	38,082	Nil	108	31	8	Nil
	Motor	144	14,749	Nil	21	Nil	Nil	Nil
	Sailing	-1	- 72	Nil	Nil	Nil	Nil	Nil
	Fishing	-	-	Nil	866	140	80	28
Total Coastwise :-		246.	52,903	Nil.	995	171	88	28
Total Foreign & Coastwise :-		X 3,274.	607,412	1.	1,889.	353.	148.	29.

X. As per Customs Returns. Excludes Vessels under 100 Tons Register.

Number of Vessels under 100 Tons entering the Port during the year.

British :- 1260. Tonnage :- 63,128.

Foreign :- 10. " :- 567.

Number of Coastwise Fishing Vessels & Tonnage, 3 months ending 31/12/37.

Number :- 2907. Tonnage :-249,734.

PORT HEALTH AUTHORITY
GRIMSBY

ROUTINE INSPECTION OF VESSELS ARRIVING AT THE PORT.

FOREIGN :-

British Steam Ships	162.
" Sailing "	Nil.
" Motor Vessels	4.
Foreign Steam Ships	371.
" Motor Vessels	7.
" " Fish'g Vessels	19.
British Steam " "	314.
Foreign " " "	17.
Total :-	894.

COASTWISE :-

British Steam Ships	83.
" Motor Vessels	12.
" Sailing Ships	Nil.
" Motor Fish'g Vessels	4.
Foreign Steam Ships	25.
" Motor Vessels	9.
" " Fish'g Vessels	21.
British Steam " "	837.
Foreign " " "	4.
Total :-	995.

Foreign	894.
Coastwise	995.
Total :-	1889.

Extra inspections	272.

The Nationalities of the Vessels were as follows :-

British	1415.
Danish	164.
Swedish	67.
French	51.
Norwegian	61.
Icelandic	24.
Dutch	21.
German	25.
Finnish	37.
Russian	7.
Latvian	6.
Danzig	1.
Belgian	1.
Estonian	3.
Hungarian	1.
Spanish	1.
Greek	4.
Total :-	1889.

11. CHARACTER OF TRADE OF PORT.

TABLE B.

(a) Passenger Traffic during the year.

No of Passengers.	1st Class.	2nd Class.	3rd Class.	Transmigrants.
Inwards.	904.	Nil.	280.	54.
Outwards.	No Class shewn.	979.		63.

It will thus be seen that the passenger traffic of the port continues to shew a further marked dimunition.

(b) Cargo Traffic.

Principal Imports :-

Timber, wood-pulp, fish, foodstuffs and general.

The figures in Tons for 1937, compared with the previous year are as follows :-

	1937.	1936.		Increase or Decrease.
Timber	291,590.	205,354.	+	86,236.
Wood pulp	145,367.	118,720.	+	26,647.
Bacon	44,292.	46,128.	-	1,836.
Butter	47,040.	43,386.	+	3,654.
Eggs	8,256.	6,281.	+	1,975.
Fruit & Vegetables	1,460.	2,482.	-	1,022.
Sundries	56,677.	69,019.	-	12,432.

Grimsby, by reason of its excellent series of seasoning yards and sheds, has attained a reputation for supplying the finest joinery redwood obtainable, and as local merchants are well stocked, they are in a position to deal with all classes of business.

The wood pulp is largely used locally in the manufacture of paper : The main increase however has been in the pit prop trade, some of this traffic having been diverted from Boston, the increase gave much needed employment to casual dock labour during the summer months.

Principal Exports :-

Coal and Coke, Fish, fish-meal and general.

Steel	17,162.	19,206.	-	2,044.
Yarn	1,195.	4,711.	-	3,516.
Pig Iron	3,916.	3,207.	+	709.
Paper	1,115.	650.	+	465.
Coal & Coke	1,120,491.	1,093,419.	+	127,272.
Sundries	22,752.	21,217.	+	1,535.

During the year the total quantity of edible fish (including foreign) landed was 3,930,835 Cwts., and the value of same was £3,994,323. much the same as last year.

14. Comparison of traffic at ports.

Table 4.

(a) Passenger traffic during the year.

No. of Passengers.	1st Class.	2nd Class.	3rd Class.	Commissioned.
Imports.	1234.	567.	890.	34.
Exports.	30 [illegible] 678.			56.

It will thus be seen that the passenger traffic of the port approximates to quite a further massive expansion.

(b) Cargo traffic.

Tabulated figures :-

Imports, Non-oil, Gas, Coastwise and General.

The figures in tons for 1957, compared with the previous year are as follows :-

	1957.	1956.	Increase or Decrease.
Timber	345,890.	340,[illegible].	+ 5,[illegible].
Iron Pipe	123,167.	119,770.	+ 3,397.
Jute	44,[illegible].	46,[illegible].	- 1,[illegible].
Butter	17,[illegible].	15,[illegible].	+ 2,[illegible].
Tea	8,[illegible].	8,[illegible].	+ 3,[illegible].
Pulp & Paperboard	1,[illegible].	2,[illegible].	- 1,[illegible].
Textiles	34,[illegible].	44,[illegible].	- 10,[illegible].

Finally, by reason of the excellent series of measures being and where, has achieved a reputation for expediting the flows, [illegible] reduced difficulties, will be found warehouse are well stocked, dry and in a position to meet much all charges of Dockings.

The Port Pay is largely been locally in the administration of paper : the main increase however has been in the jute port trade, work of fully traffic during Port difficulties from [illegible], the increase data Jute trades [illegible] to stands under labour during the number months.

Financial Results :-

Coal and Iron, Pipe, Non-oil and General.

Total	17,[illegible].	18,[illegible].	- [illegible].
Rent	1,[illegible].	1,[illegible].	- [illegible].
Pay Loss	[illegible].	[illegible].	+ [illegible].
Power	1,[illegible].	[illegible].	+ [illegible].
Coal & Coke	1,[illegible].	1,[illegible].	+ [illegible].
Dockies	[illegible].	[illegible].	+ 1,[illegible].

During the year the total quantity of ability that (including foreign) limits was 1,[illegible], [illegible], and the value of cases was [illegible], more the same as last year.

(c) Foreign Ports from which vessels arrive.

Russia	- Archangel, Igarka, Kovda, Leningrad, Marmansk, Onega.
Norway	- Drammen, Fredrikstad, Larvik, Oslo, Trondhjem.
Sweden	- Gothenburg, Gefle, Hernosand, Soderhamp, Stockholm, Sundsvall.
Finland	- Helsingfors, Hango, Kotka, Raumo, Trangsund, Viborg.
Germany	- HAMBURG. Konigsberg, Bremen, Stettin.
Holland	- ROTTERDAM. Amsterdam, Groningen.
Belgium	- ANTWERP. Ghent.
France	- DIEPPE. Le harve, Brest, Calais, Bordeaux, Bayonne, Rouen, Dunkirk, Marseilles.
Denmark	- ESBJERG.
Portugal	- Faro, Lisbon, Oporto.
Spain	- Seville, Valencia, Cartagena, Huelva, Castellon.
Danzig.	- Danzig.
Estonia	- TALLIN.
Latvia	- Riga.

CANAL BOATS ACT.

457 entered the Port during the year, of which 89 were inspected. No infectious disease occurred on any of the Canal Boats during the year.

Infringements of the Act dealt with were :-

Masters without Certificates	15.
Boats not properly marked	25.
Cabins not in a cleanly condition	3.
" " sufficiently ventilated	5.
" require painting	11.
" out of repair	11.
" dilapidated	3.
Without proper water vessels	7.
Total :-	80.

31 Notices were served on owners. No legal proceedings were taken in respect of infringements. The number of infringements found continues to be high.

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(3) Foreign Ports from which vessels arrive.

Basin - Liverpool, Jamaica, Cuba, Philippines, Guadeloupe, Japan.

Canal - Panama, Martinique, Barrie, Bell, Jamaica.

Grades - Yellowstone, Duff, Yellowstone, Powerhouse, Coarse, Medium.

Values - Relinquish, Good, Lake, Lamm, Tuscarora, Tiffin.

Harbour - Lucrom, Conglomerate, Crown, Liberia.

Islands - Attention, Ambrose, Pitcairn.

Salmon - Lamson, Clark.

Groups - Quick, Le Berg, Coral, Gold, Jackson, Jackson, Green, Mobile, Marshalltown.

Sources - Crystal.

Springs - Pass, Lake, Cypress.

Stone - Devils, Palmetto, Cottonwood, Tuley, Hatfield.

Tower - Jones.

Tunnels - Tilly.

Valleys - Ohio.

Place Study A(1).

Off Catoche the port during the year, 21 vessels were inspected. No infractions always occurred on any of the small boats during the year.

Infringements of the law relating to:-

Carrying without certificate ..... 0.
Being not properly manned ..... 0.
Being not in a clearly navigable condition ..... 0.
" " sufficiently ventilated ..... 0.
" " regular marking ..... 0.
" " out of repair ..... 0.
" " unregistered ..... 0.
Without proper safety valves ..... 0.

Total :- 0.

In 0(0) cases were seized on arrival, 0 local prosecutions were taken in respect of infringements. The number of infringements found remained to be 0(0).

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111. WATER SUPPLY.

The town water supply is available for the port and for shipping. All precautions are taken against contamination.

There are two water boats in use,one in each dock ;they are in good sanitary condition.

The water supply for the fish market is being adequately chlorinated by the Railway Company,and about 300,000 gallons per day are used. Unfortunately the Railway Company have not yet provided facilities for making this chlorinated supply available for washing out the fish rooms of trawlers.

On the new extension of the Fish Market a considerable number of fresh water hydrants have been installed at approximately 25 feet apart,this should enable a generous supply of fresh water for the washing out of fish rooms etc on trawlers.

1V. PORT SANITARY REGULATIONS. 1933.

The information under these Regulations is as described in the Annual Report for 1934,except in regard to paragraph 10 relating to venereal disease. This is shewn at the end of Table D.

III. [illegible] [illegible].

The fish water supply is available for the [illegible] and the [illegible] in proportions are below normal consumption.

There are two water tanks in use, one in good [illegible]; the [illegible] is good sanitary condition.

The water supply for the fish market is taken [illegible] chlorinated by the Salmer Company, and about 300,000 gallons per day are used. Unfortunately the salmon canning here has not artesian facilities for making this chlorinated supply available for packing and the fish frame of canneries.

As the new extension of the city means a considerable number of fresh water [illegible] have [illegible] approximately 75 feet apart, this should [illegible] a reservoir supply of fresh water for the washing and of fish frame [illegible] to freezing.

IV. POST [illegible] [illegible]. [illegible].

The laboratory water [illegible] [illegible] in an unsatisfactory in the [illegible] [illegible] [illegible], [illegible] to prevent to [illegible] [illegible] relative to [illegible] [illegible]. This is [illegible] of the [illegible] of [illegible].

TABLE C.

Cases of infectious sickness landed from Vessels.

Disease	Number of cases during the year Passengers.	Crew.	No of Vessels concerned.	Average number of cases for previous 5 years.
Influenza.	-	29.	11.	50.

TABLE D.

Cases of infectious sickness occurring on Vessels during the voyage but disposed of prior to arrival.

Disease.	Number of Cases during the year. Passengers.	Crew.	No of Vessels concerned.	Average number of cases for previous 5 years.
Pneumonia.	-	-	-	1.

No cases of Plague, Cholera, Yellow Fever, Smallpox or Typhus occurred, or any Plague infected rats were discovered during the year.

Venereal Disease.

During the year 112 foreign seamen attended the Grimsby Clinic, of which 56 were suffering from syphilis, 53 from gonorrhoea and 3 from soft chancre.

In addition to the above there were several others attended for advice and were found not to be suffering from venereal disease.

This large increase in the attendance of foreign seamen is partly due to increased propaganda on the vessels, and partly due to the active co-operation of the medical officer in charge of the Dock Clinic established by the trawler-owners.

Table 2.

Cases of Schistosoma haematobium infection from Tanganyika.

Disease	Number of cases during the year.	No. of travelers involved.	Average number of cases per year during the 5 years.
Bilharziasis.	-	10.	11.	10.

Table 3.

Cases of infectious diseases imported by travelers during the years 1921 inclusive of which 20 arrived.

Disease.	Number of cases during the year.	No. of travelers involved.	Average number of cases per infected traveler 5 years.
Dysentery.	-	-	-	1.

In cases of Plague, Malaria, Yellow fever, Smallpox or typhus occurred, in any Tanganyika inlanders case were discovered during the year.

Imported diseases.

During the year 1921 foreign seamen entering the Tanganyika Ports of which 20 were arrivals from Egypt, 20 from Mozambique and 2 from West Africa.

In addition to the above there were several other vessels attended for during the year from not to be mentioned from various internal ports.

This large increase in the attendance of foreign seamen is mainly due to increased production on the vessels, but partly due to the active co-operation of the medical officers in charge of the port State authorities by the trade-unions.

V. MEASURES AGAINST RODENTS.

Numbers 1 to 5 as described in Annual Report for 1934.

Rats destroyed during the year.

TABLE E.

(1) On Vessels.

Number of	Jan.	Feb.	Mch.	Apl.	May.	June.	July,	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Black Rats	20.	8.	20.	17.	40.	40.	36.	20.	11.	10.	6.	4.	232.
Brown Rats	8.	3.	14.	14.	15.	7.	5.	12.	8.	10.	4.	6.	106.
Species not recorded			----------			Nil			----------				
Examined			2.			2.		2.				2.	
Infected with Plague			----------			Nil			----------				
									Total :-				338.

TABLE F. (2) In Docks.Quays.Wharves and Warehouses.

Number of	Jan.	Feb.	Mch.	Apl.	May.	June.	July.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Black Rats	26.	51.	155.	106.	110.	104.	188.	42.	90.	102.	150.	100.	1,224.
Brown Rats	161.	150.	200.	276.	400.	350.	200.	260.	200.	260.	300.	342.	3,099.
Species not recorded			----------			Nil			----------				
Examined			2.			2.		2.				2.	
Infected with Plague			----------			Nil			----------				
									Total :-				4,323.

Rats examined for Plague or other Diseases.

6 black Rats and 10 brown Rats were sent for examination. The report from the Analyst is as follows :- These Rats have been examined and found to be free from B.Pestis,or other diseases.

7. [illegible] Laboratory Results.

Tables 1 to 3 as described in Annual Report for 1954.

Data Laboratory Tables for year.

FORM 3.

(1) Qm Tuberculin.

Number of	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Fresh Data	40.	0.	10.	17.	40.	40.	40.	42.	12.	10.	0.	0.
Known Data	3.	0.	14.	14.	18.	7.	3.	12.	0.	10.	4.	4.
Specimens not received	---------- (E1) ----------											
Unsuited	0.			0.			0.					0.
Infected with Virus	---------- (E2) ----------											
Total :-												

FORM 7. (2) Tu Mantoux, Quant. Tests and Serologies.

Number of	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Fresh Data	44.	91.	130.	149.	111.	144.	124.	42.	40.	120.	120.	1[illegible]
Known Data	101.	120.	127.	170.	200.	200.	200.	200.	200.	200.	200.	[illegible]
Specimens not received	---------- (E1) ----------											
Unsuited	0.			0.			0.					0.
Infected with Virus	---------- (E2) ----------											
Total :-												[illegible]

Data Analysis for Figures or other Diagrams.

5 fresh data and 12 known data were used for consultation.

The report from the analyst is as follows :- These data have been analysed and found to be free from Z.Hydrin,or other diseases.

INTERNATIONAL SANITARY CONVENTION.

During the year 62 Deratisation Exemption Certificates were issued.

592 traps were set by the Rat Searcher on 74 vessels and 158 rats were caught, the balance of 180 being from trawlers making a total of 338.

It has not been found necessary to fumigate any vessel under the above " Convention " for the following reasons. :-

Vessels trading to and from this port are mostly engaged between the Baltic and Continental ports. The nature of the trade is such that the cargoes of the vessels are seldom in for more than a week, and in a number of cases for only 36 hours ; this leaves little chance for rats to nest or harbour.

Special attention is paid to the work of detecting rats in warehouses, wharves, quays etc and when necessary trapping and laying of poison baits are resorted to.

INTERNATIONAL LABOUR CONDITIONS.

During the year 52 manufacturing establishments were visited and were inspected.

386 stops were set up for the new vehicles in 74 towns and 180 rods were sunpd, the balance of 126 being then involves making a total of 306.

It has not been found necessary to institute any trams under the above " Irremovable " for the following reasons. :-

Towns lighting in and from this year are mostly supplied between the Public and Continental works. The nature of the trade is such that the services of the vehicle are seldom in the main line a week,and is a matter of weeks for only 20 hours ; this leaves little chance for rods to meet or barrow.

Special attention is paid to the work of matching rods in workshops,whereas, stops are not when necessary keeping and laying of pipes tools are reported to.

TABLE G.

Measures of Rat Destruction on Plague " infected " or " suspected " Vessels from plague infected ports arriving in the port during the year --- Nil.

TABLE H.

Deratisation Certificates and Deratisation Exemption Certificates issued during the year.

Nett Tonnage.	No of Ships.	No of Deratisation Certificates issued.					No of Deratisation Exemption Certificates issued.	Total Certificates issued.
		After fumigation with.			After trapping poisoning etc	Total.		
		H.C.N.	Sulphur.	H.C.N. & Sulphur.				
1.	2.	3.	4.	5.	6.	7.	8.	9.
Ships up to 300 Tons	14.						14.	14.
" from 301 " to 1000 Ton	37.						37.	37.
" " 1001 " " 3000 "	10	----------	----------	Nil	----------	----------	10.	10.
" " 3001 " "10000 "	1.						1.	1.
Over 10000 Tons.	Nil.						Nil.	Nil.
Totals :-	62.	----------	----------	Nil	----------	----------	62.	62.

VI. HYGIENE OF CREW'S SPACES.

TABLE J.

Classification of Nuisances.

Nationality of Vessel.	Number inspected during year.	Defects of original construction.	Structural defects thro wear & tear.	Dirt, Vermin, and other conditions prejudicial to health.
British	1415.	1.	227.	185.
Other Nations.	474.	6.	126.	38.

On nearly all Fishing Vessels the forecastles are used for the storing of surplus deck gear.

DEFECTS.

Leaky overhead decks	77.	Defective water tanks	6.
Plugs missing from tanks	26.	" " " pipes	3.
Broken portlight glasses	90.	" chain pipes	30.
Leaks aft	7.	" air "	2.
Defective stoves	69.	" food lockers	19.
" " pipes	44.	" escape lights	2.
" ventilation	30.	" cabin floor	2.
" deadlights	19.	" " steps	2.
" portlights	8.	" " lining	6.
" " frames	31.	" fcsle steps	3.
" decklights	14.	" " floors	5.
" skylights	12.	" " doors	11.
" plates, ships side	28	" galley "	2.
" bulkheads	6.	" " sinks	2.
" W.Cs	26.	" mess room doors	2.
" " flush pipes	2.	" bunks	15.
" " soil "	2.	" " lining	14.
" waste pipes	2.	" scupper pipes	9.
" stem	2.	" wash basins	5.
" lining fcsle steerage	2.	" floor drainage	2.

NUISANCES.

Damp forecastles	2.	Dirty pantries	2.
Dirty "	38.	" water tanks	19.
" " steerage	7.	" mess rooms	2.
" cabins	31.	" & perished paintwork	89.
" " steerage	3.	" & choked W.Cs	34.
" " seats	6.	" wash houses	10.
" galley & utensils	9.	" beef casks	4.
" beds destroyed	158.	" store rooms	1.
" bunks	82.	" & foul bilges	1.
" food lockers	93	Verminous Vessels	239.
" seat "	22.	" " fumigated	192.
" transom "	18.	" " sprayed	52.

~~The whole of the above nuisances were abated.~~

Informal Notices served :- 243. Complied with :- 148.

The number of nuisances discovered was much as last year, but practically double the number of informal notices have been served.

VI. Visiting of Ship's Crews.

Table 7.

Classification of Incidents.

Nationality of Vessel.	Number Incidents requiring protection.	Details of Actual assistance.	Structural defects into water & fuel.	Life Belts, and other conditions constitutional to health.
British	1414.	1.	647.	105.
Other Nations.	474.	6.	176.	14.

On nearly all Medical Repairs the Correction was used for the storing of medicine and water.

Defects.

Lamp overboard masts	77.	Defective water bucket.....	6.
Stays slacker from hooks	34.	" " " chain..	8.
Broken portlight glasses	40.	" small pipe	30.
Leaks all	7.	" air "	8.
Defective pipes	24.	" Deal locker	17.
" " plugs	44.	" damage timber ...	7.
" ventilation	20.	" small floor.....	4.
" headlights	17.	" " stays	4.
" portlights	8.	" " lining	6.
" " fenders	21.	" Table stand	4.
" masthights	14.	" " fitting	4.
" navlights	14.	" " hooks	11.
" plates, motor air.....	10	" gally "	2.
" halliards	9.	" " stove	8.
" T.S.	10.	" mess room doors..	4.
" " Stand pipe ..	4.	" bunks	18.
" " soil " ..	4.	" " lighter.....	14.
" waste pipe	4.	" rubber plugs ...	2.
" water	4.	" mess benches ...	6.
" Riding Table pipe...	8.	" floor planks...	4.

Repairs.

Mess Tarpaulin	6.	Safety rubbers.....	7.
Safety "	28.	" rubber bands	12.
" " wastage	7.	" mess room	4.
" sabins	21.	" 4 medical cabinets.	24.
" " wastage	6.	" 2 stores s.Th	44.
" " waste	6.	" Deck house	10.
" galley & steards	4.	" Deck waste	4.
" Dress destroyed	120.	" stove pipes	1.
" bunks	20.	" 6 foot bilges	1.
" Iron lockers	24	Tarpaulins Tonnage	140.
" seats "	24.	" Footrests.....	120.
" stanchions "	12.	" Gratings.....	24.

Inspection of the mercantile marine vessels.

Informal visits were :- 840. Compliied with :- 144.

The number of notices issued was much in less proportion, but actually twice the number of informal notices have been served.

CREWS ' QUARTERS.

During inspection of vessels particular attention is paid to the condition of the Crews' living accommodation,and although there is still much room for improvement,it has been found that more attention is being paid to the general sanitary condition of cabins and forecastles.

This condition is more apparent in the latest type of vessels where increased cubic capacity,clothes lockers,and washing accommodation is provided. It is where lighting is deficient and especially in those forecastles where artificial lighting by oil lamps has to resorted to,that dirty conditions are more frequently found.

It is satisfactory to note however that during the year there has been a marked decrease in the number of nuisances discovered due to the lack of cleanliness,although there has been an increased number of vessels entering the Port.

V11. FOOD INSPECTION.

PUBLIC HEALTH (IMPORTED FOOD) REGULATIONS.1925.

Quantities and descriptions of food seized,forfeited or remaining unsold and sent to the Meal Works for destruction during year.

FISH MARKET.

Nature of Article.	WEIGHT.				Why Condemned.	Whether seized or forfeited.	How disposed of.
	Tons.	Cwts.	qrs.	Stns.			
Haddocks	364	0	3	1.	Decomposed	Forfeited	Sent to
Codling	245	1	1	1.	or	"	the
Catfish	62	17	1	1.	Remaining	"	Meal Works.
Colefish	46	12	3	1.	unsold.	"	"
Dabs	37	17	1	0.	"	"	"
Whiting	26	12	2	0.	"	"	"
Roker	8	9	1	0.	"	"	"
Plaice	3	14	0	0.	"	"	"
Witches	5	6	0	0.	"	"	"
Cod	4	11	1	0.	"	"	"
Lemon Soles	3	13	1	1.	"	"	"
Herrings	3	7	2	1.	"	"	"
Halibut	2	8	3	0.	"	"	"
Bream	1	19	0	0.	"	"	"
Roes	1	18	3	0.	"	"	"
Tusk	1	1	0	0.	"	"	"
Monk	1	1	0	0.	"	"	"
Mackerel		14	3	0.	"	"	"
Dogfish		7	0	1.	"	"	"
Ling		5	0	0.	"	"	"
Gurnards		7	0	0.	"	"	"
Skate		4	2	0.	"	"	"
Hake		2	0	0.	"	"	"
Soles				3.	"	"	"
Total :-	822	13	0	0.			

VII. [illegible]

[illegible] (Concerts moral instructions, [illegible]).

Questions and assignments at home setting, correction or remedying should be done to the pupil notes for instruction during year.

[illegible]

Subjects of Article.	[illegible]				Why [illegible].	Teacher [illegible] or [illegible].	Use [illegible] etc.
	[illegible]	[illegible]	[illegible]	[illegible]			
Bookcase	234	0	0	1.	[illegible]	Searching	[illegible]
Sailing	245	1	1	1.	"	"	[illegible]
Daffodil	65	17	1	1.	[illegible]	"	[illegible]
Cowslip	45	15	3	1.	[illegible].	"	"
Rose	37	17	1	0.	"	"	"
Writing	53	15	4	0.	"	"	"
Point	8	7	3	0.	"	"	"
Plates	6	14	0	0.	"	"	"
Kitchen	5	0	0	0.	"	"	"
Dog	4	11	1	0.	"	"	"
Lemon juice	3	13	1	1.	"	"	"
Carriage	4	7	3	1.	"	"	"
Quilting	4	4	3	0.	"	"	"
Cross	1	17	3	0.	"	"	"
Sign	2	13	4	0.	"	"	"
Cuff	1	1	0	0.	"	"	"
Long	1	1	0	0.	"	"	"
Basket		14	3	0.	"	"	"
Darling		7	0	1.	"	"	"
Line		3	0	0.	"	"	"
Lantern		7	13	0.	"	"	"
Table		4	2	0.	"	"	"
Back		7	0	0.	"	"	"
Solar				4.	"	"	"
Total :-		233	13	0.			

EX RAIL.

Nature of Article.	Quantity.	Why Condemned.	Whether seized or Forfeited.	How disposed of.
Herrings	188.Stns.	Decomposed.	Forfeited.	Sent to
Mackerel	135. " .	"	"	Meal Works.
Wet Fillets	72. " .	"	"	"
Dry "	18. " .	"	"	"
Dogfish	88. " .	"	"	"
Mixed Fish	116. " .	"	"	"
Cod	32. " .	"	"	"
Kippers	21. " .	"	"	"
Haddocks	28. " .	"	"	"
Smoked Fish	16. " .	"	"	"
Roes	6. " .	"	"	"
Roker	6. " .	"	"	"
Bloaters	4. " .	"	"	"
Hake	6. " .	"	"	"
Halibut	1. " .	"	"	"
Salmon	108. lbs.	"	"	"
Prawns	5.Tins.	"	"	"
Crabs	17. No .	"	"	"
Shrimps	9.Bkts.	"	"	"
EX STEAMSHIP.				
Esbjerg.				
Pigs Maws	2.Casks.	"	"	To Corporation
Potatoes	9. Bags.	Unsound	"	Destructor.
EX SEVILLE.				
Oranges	375. Bxs .	"	"	"
EX COLD STORE.				
Beef	103. lbs .	Decomposed	"	"
	Condemned by an order of a Justice of the Peace.			
EX STEAMSHIP.				
Esbjerg.				
Pigs Maws	4.Casks	"	Seised	"
FISH CURING HOUSE.				
Herrings	5.Stns.5 lbs.	"	"	Sent to Meal works.

Shell Fish.

There are no shell-fish beds in the area of the Port Health Authority.

The layings from which the oysters are marketed in this district are Hubstanton and Brightlingsea

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v Number of Samples of Food examined by :-

(a) Bacteriologist :- Nil.

(b) By Analyst :-

	Nature of Sample	Result of Examination.
(1)	Tin of smoked salmon.	Free from Preservatives.

I am indebted to Mr.A.Martin,Senior Port Health Inspector for the details of the sanitary work carried out in the district during the year.

DISTRICT.

731 Inspections and re-inspections have been made re defects and nuisances during the year, the following causes of complaint were dealt with :-

Choked drains cleared and cleansed	13.
New drains laid	4.
Choked gullies cleared	31.
New gully covers provided	8.
New gullies provided	7.
New down spouts	6.
Down spouts defective repaired	13.
" " cleared	4.
New eave spouts	5.
Eave spouts defective repaired	8.
" " cleared	5.
New concrete floors provided	5.
Floors repaired	3.
Defective roofs repaired	10.
" waste pipe "	1.
Vent shafts repaired	2.
Walls repointed	2.
Ventilation improved	1.
New W.Cs fixed	2.
Dirty " cleansed	5.
New soil pipe provided	1.
Soil pipe cleared	1.
New basins fixed	1.
Connections repaired	1.
Cisterns repaired	2.
Seats "	1.
Flush pipes repaired	1.
Stores cleansed & limewashed	14.
Mess rooms "	2.
Offices "	4.
Lofts "	4.
Walls cleansed	16.
" repaired	1.
Ceilings cleansed	2.
Floors cleansed	4.
Miscellaneous	13.

122 letters and informal notices were served on owners or occupiers during the year.

ACCUMULATIONS OF OFFENSIVE REFUSE REMOVED.

29 deposits of rubbish were dealt with during the year.

FISH MARKET.

Fish Merchants stands cleansed	171.
" " utensils "	608.
" " ice bins "	183.
" " new ice bins	16.
" Curers kits (lots) cleansed	20.
" Merchants carriers "	6.

There has been a very marked increase during the year of the number of fish merchants utensils cleansed :- from 237 to 608.

The number of ice bins cleansed has also risen from 16 to 183.

A large number of dirty offal barrels were cleansed,and foul fish boxes destroyed.

I am indebted to Mr. Martin, Senior Park Health Inspector for the details of the sanitary work carried out in the district during the year.

Nuisances.

(1) Complaints and re-inspections have been made in districts and nuisances during the year, the following number of complaints were dealt with :-

Defective drains, sinks and closets	14
Dry earth tubs	4
Insufficient privies, closets	41
Dry pulls, covers provided	8
Dry pulls, covers	7
Dry pulls, provided	8
Dry tubs, closed	14
Dry tubs, closed	4
" " cleaned	4
Dry earth closets	4
Dry pulls, covers replaced, repaired	4
" " placed	8
Dry conveyed floors provided	3
Floors repaired	4
Defective water closets	12
" " made good	4
Wet ashes receptacle	4
Wall repaired	4
Ventilation improved	2
Dry W.C. floor	4
Dry " cleansed	3
Dry soil pipe provided	2
Soil pipe cleaned	2
New basins fixed	2
Nuisances repaired	2
Drains repaired	2
Sinks "	2
Flash pipes repaired	2
Sewer cleansed & lime washed	14
Dung rooms "	4
Offices "	8
Yards "	4
Walls cleansed	14
" repaired	2
Ceilings cleansed	2
Floors cleansed	4
Whitewashed	12

The latrines and internal yards were cleaned on average of occasions during the year.

Inspection of premises during repairs.

49 dwellings of tenants were visited with during the year.

Food Supply.

Fish purveyors shops cleansed	141
" " stalls "	84
" " fish boxes "	102
" " new fish shop	14
" stores also (ice) cleansed	14
" warehouse cleansed "	4

There had been a very marked increase during the year of the number of fish purveyors stalls cleansed :- from 52 to 141.
The number of ice boxes cleansed has also risen from 14 to 102.
A large number of dairy other premises were cleansed, and cool fish boxes inspected.

ADDITIONAL FISH MARKET FACILITIES.

Following the completion of the new fish dock in 1934 the London and North Eastern Railway is extending its facilities for the landing and dispatch of fish at their Grimsby docks by the construction in No 2 Fish Dock of new quays and fish markets. These, when completed, will provide an additional 860 lineal feet of quay as well as the improvement of about 350 lineal feet of quay at present in use for the landing of fish.

An additional area of about 100,000 square feet of up-to-date market accommodation will then be provided. The upper floors of the new markets will provide 90 offices for fish merchants, and about 23,000 square feet of additional storage area for fish boxes and kits. A refreshment room, trawler stores and other facilities are also included in the scheme, as well as rail and road improvements.

The new section of the market will be well equipped with sanitary accommodation, on the ground floor there will be three sets of urinals with six stalls each and three sets of W.Cs with six pedestals each. The first floor will be equally well provided for, viz :- Two sets of urinals with six stalls each, also two sets of W.Cs with six pedestals each, in addition there will be womens lavatory accommodation, two sets with two pedestals each.

It is also proposed to erect Filleting houses at the extreme end of the new section ; these will have cement rendered walls and concrete floor, with a fall towards the dock, also a barrow way fronting the dock side and one to the road side. These filleting houses should add considerably to the hygenic handling of fish, as they will have an abundant supply of fresh water and natural lighting.

The first section of the new extension should be ready for occupation by the end of April, 1938 and the entire scheme will cost in the region of £120,000.

FISH CURING AND CLEANING HOUSES.

There are 36 fish curing houses, these are kept up to the usual standard of cleanliness due to constant supervision, but a number of them, in fact nearly all are now also in the wet fillet trade.

The nature of this class of work gives rise to offence if not properly controlled, but I am pleased to say there were very few complaints, the nuisances are generally due to the want of limewashing or carelessness in connection with the utensils in use.

The extra supervision however referred to in my last annual report necessitated by the large increase in the number of these houses during the past 5 years (actually a further 5 houses were established during 1937) has thrown a greatly increased strain on the staff dealing with the fish market side.

PUBLIC CONVENIENCES.

There are a large number of these situated on the Docks. They are the property of the Railway Company and are generally kept in good order.

There are still 9 box privies which cannot be converted to water carriage, due to being in isolated positions and no sewer being available. These have been reconstructed and the wooden containers substituted by smaller metal containers which is a decided improvement.

LIVER BARRELS.

These are getting less in number due to many of the Vessels now extracting the oil from the livers on board and discharging the crude oil into iron drums. The old liver barrels are now only found on a few North Sea Boats.

FISH CARRIERS (BARRELS).

These are principally used by fish curing firms,and are a constant source of trouble,due to them not being properly cleansed. Your Inspectors have paid most particular attention to them during the past few months and there is a marked improvement,but they still leave quite a lot to be desired.

Many firms have not yet appreciated that these barrels are intended to convey fish presumed to be for human consumption.

NON RETURNABLE BOXES.

It is hoped some day to convert the trade to a proper appreciation of the fact that the adoption of some type of non-returnable fish-box would do a great deal to improve the value of goodwill existing throughout the country towards the Grimsby fish trade. At the same time the quality of the fish on arrival at its destination would be improved.

TRAWLER OWNERS BOXES.

The cleanliness of these on many occasions is not all that could be desired.

RATS AND MICE (DESTRUCTION) ACT. 1919.

With reference to the above Act,913 inspections and re-inspections were made.

4323 rats were caught on premises of these 1224 were black and 3099 were brown.

A regular system of examination is carried out in stores, warehouses etc. If rats or traces of rats are found in any building, orders are at once given for their clearance either by traps, poison or fumigation.

Leaflets are distributed pointing out the obligations under the Act,also the penalties for non-compliance.

A card index is kept of all buildings etc in which rats have been found.

PARROTS (PORHIBITION OF IMPORT) REGULATIONS. 1930.

No Notices were issued during the year.

THE SHOPS ACTS? 1912 - 1934.

Periodical inspections are being carried out under the Above Acts.

FACTORY AND WORKSHOPS ACT.

These places are kept under constant supervision,a card index record kept as to the nature of the trade carried on and their conditions.

Further particulars will be found in copy of Home Office Form appended :-

FACTORY AND WORKSHOPS ACT.

These places are kept under constant supervision, a card index record kept as to the nature of the trade carried on, and their conditions.

Further particulars will be found in copy of Home Office Form appended :-

1. - INSPECTION OF FACTORIES, WORKSHOPS AND WORKPLACES.

Premises. (1)	Inspections. (2)	Number of Written Notices. (3)	Occupiers. Prosecuted. (4)
Factories (including Factory Laundries)	177.	6.	Nil.
Workshops (including Workshop Laundries)	312.	72.	Nil.
Workplaces (other than Outworkers premises)	361.	4.	Nil.
Total :-	850.	82.	Nil.

2. DEFECTS FOUND IN FACTORIES, WORKSHOPS AND WORKPLACES.

Particulars. (1)	Number of Defects. Found. (2)	Remedied. (3)	Referred to H.M. Inspector. (4)	Number of prosecutions. (5)
Nuisances under the Public Health Acts :-				
Want of Cleanliness	76.	76.	Nil.	Nil.
Want of ventilation	5.	5.	Nil.	Nil.
Overcrowding	-	-	-	-
Want of drainage of floors	13.	13.	Nil.	Nil.
Other nuisances	90.	90.	" .	" .
Sanitary accommodation. insufficient	7.	7.	" .	" .
Sanitary accommodation. (unsuitable or defective	7.	7.	" .	" .
Sanitary accommodation. (not separate for sexes	-	-	-	-
Offences under the Factory and Workshop Acts :-				
Illegal occupation of underground bakehouse (s.101)	None in the Port.			
Total :-	198.	198.	Nil.	Nil.

OUTWORK IN UNWHOLESOME PREMISES, SECTION 108 ..... Nil.

These tables are very much smaller numerically, and hence means that so in the nature of the crop spring on, and their conditions.

Further particulars will be found in copy of some other data already :-

1. - Inspection of flowering, medium low stocks.

Causes. (1)	Inspection. (2)	Spring. (3)	Summer. (4)
Protection (insecticide, water, manures)	247.	0.	11.
Actual loss (insecticide, manures, insecticide)	450.	75.	12.
Controls (other food contents problem)	21.	0.	241.
Total :-	718.	0.	253.

2. Spring fodder in Scientific, Economic (3) wheat.

Number of infests.

Pest species. (1)	Spring. (2)	Summer. (3)	Inspection. (4)	Summer. (5)
Minimum during the month: Least 1 :-				
Total of infestations	70.	70.	170.	241.
Best of infestation	0.	0.	1.	1.
Minimum value	-	-	-	-
Best of average of fleas	34.	34.	171.	241.
Other minimum	0.	0.	0.	0.
Insecticide	7.	7.	0.	0.
Unfast (Insecticide or				
Economic, (Spraying	7.	7.	0.	0.
(Dry mixture				
(Dry mixture	-	-	-	-

Minimum cause for Spring and Summer, 1 :-

Larger description of wheat-
-ground Rothamsted (a.mid) now in the Spring.

Total :-	140.	140.	344.	482.

Minimum in Spring Summer, Column 140 ..... 344.

FISH MEAL WORKS.

Only one of these is situated in the Dock Area, and it is kept under constant supervision. No complaints were received during the year, and no cause for complaint was found. This is pleasing and shews that great care and attention is taken, especially considering the condition of some of the offal dealt with.

OFFENSIVE TRADES.

The trades scheduled as offensive trades within the port of Grimsby are the trades of a Fish Curer and a Dealer in fish offal also Liver Oil Factory.

It is a pleasure to record that in practically all cases very willing co-operation is given, suggestions for improvement are well received, and the general standard both in respect of premises and processes is definitely improving.

Fish-waste from Curing Houses as well as from all premises producing fish-waste is taken to the Meal Works and converted into fish meal. A daily collection of fish waste is in operation and is undertaken by the proprietors of the Meal Works.

Wooden barrels are used for this purpose which, on being emptied are immediately (put through a mechanised washer) and throughly cleansed before being used again.

After delivering a load of offal at the Works a clean set of barrels is loaded on to the lorries and delivered to the various premises. This system is strictly enforced.

The daily collection of offal ensures that all fish-waste collected is in fresh condition as there is little or no risk of the waste having reached a state of decomposition, and this, together with the cleansing of barrels reduces the risk of nuisance arising to a minimum

The collection of liver oil for transport to the factory is so arranged that it is not exposed to the air, it being pumped from Trawler to Barge or drum and thence to Factory, so overcoming any offensive smell that might arise.

THE LIVER OIL FACTORY.

A fish liver oil factory well equipped with modern plant for extracting oil from livers and refining same was established on 1st June, 1937, on the north wall, No 3 Fish Dock.

In this position the premises are situated at a considerable distance from the residential and business part of the Borough and interfere not at all with the amenities of the District.

The factory itself is very well conducted and since its establishment there has been no cause for complaint.

Having regard to the nature of the article a certain amount of decomposition is unavoidable. The methods of handling have proved satisfactory and there is little cause for complaint.

The cleanliness of all receptacles used for the storage and conveyance of fish livers is strictly enforced. On these grounds, there is little cause for complaint.

[illegible]

Only one of these is already in use and it is kept under strictly supervision. Its particulars were typed during the year, but no owner for exploitation was found. This is planned and where that plant was not attention in Salem especially considering the operation of some of the other units with.

[illegible]

The trends expected in petroleum trends within the port of Salem are the trends of a high cost and a period in that other live oil industry.

It is a pleasure to report that in practically all cases very willing co-operation is given, suggestions for improvement are well received, and the general attitude is in respect of problems and progress in relatively improving.

Fish-waste from Salem Harbor as well as from all premises producing fish-waste is taken to the fish meal works and converted into fish meal. A daily collection of fish waste is in operation and is monitored by the proprietors of the fish meal works.

Wooden barrels are used for this purpose which, on being emptied are immediately (yet through a contractor washer) and returned allowing better fish meal quality.

After delivering a load of offal at the fish meal works of barrels is landed on to the lorries and delivered to the various premises. This system is highly satisfactory.

The daily collection of offal ensures that all fish-waste collected is in fresh condition so there is little or no risk of the waste having reached a state of decomposition, and this together with the elimination of barrels reduces the risk of nuisance arising to a minimum.

The collection of liver oil for transport to the factory is so infrequent that it is not exposed to the air, it being pumped from trawlers to tanks or from one tanker to another, so operation of the distillery should have no ill effects.

[illegible] OIL FACTORY.

A fish liver oil factory well equipped with modern plant for extracting oil from livers and refining them was established in Salem, that, on the north wharf, to a high cost.

In this building the premises are situated at a considerable distance from the residential and business part of the borough and therefore not at all with the nuisance of the factory.

The factory itself is very well equipped and since its installation there has been no cause for complaint.

During repairs to the boiler of the factory a regrettable nuisance of intermittent duration, the smoke of burning bone stored outside satisfactory and there is little cause for complaint.

The disposal of all residuals from the factory and carcasses of fish livers is entirely satisfactory, no bones appeared, there is little odour and no nuisance.

Another matter which continues to give rise to some concern is the considerable degree of bug infestation in a number of the trawlers. There are several difficulties in the way of dealing with this problem, viz.,(a) the vessels are often in port for too short a period for fumigation to be carried out,and the ships are at sea again when a second fumigation would catch the second generation of eggs ; (b) a ship may easily be infested by bugs brought on board in the gear of one seaman,and this gear may have become infested in a store from other gear. It is only fair to say that certain of the trawler owners will go to unlimited expense and trouble to keep their vessels free from vermin. Literature has been freely distributed.

The Railway Company have given special attention to road sweeping and the collection of refuse during the year with satisfactory result. Considerable sums of money have also been spent on improving certain sections of the road surfaces.

No sickness of a serious nature was brought into or occurred in the Port during the year.

I acknowledge with thanks the cordial co-operation which we receive from H.M.Customs and Waterguard and from H.M. Immigration Officers,also the Port Master and the Dock Officials of the London and North Eastern Railway Company.

Another matter which continues to give rise to some concern is the considerable losses of the industry in a number of our trout streams. There are several difficulties in the way of dealing with this problem, viz., (a) the results are often in part or too large a period for instances to be carried out, and the cause are at one again when a general condition would result the loss of production of stock ; (b) a dam may easily be injured by high freshet or heavy in the year of one season, and its year may have been lessened in a short time other part. It is only fair to say that certain of the timber owners will go to considerable expense and trouble to keep their streams free from rubbish. Litterature has been freely distributed.

The matter of money has given practical attention to road matching and the collection of refuse during the year with satisfactory results. Instances from of money have also been spent on improving certain sections of the road matters.

By reason of a serious nature was brought into or occurred in the Jock during the year.

I authorized with the Minister the general co-operation with the Ontario Fish, Game and Motor-boat and Game Law Enforcement officers, also the Port Warden and the Port officials of the London and North Eastern Railway Company.

Grimsby. P.S.A. Med. Lib.

1. AMOUNT OF SHIPPING ENTERING THE PORT DURING THE YEAR.

TABLE A.

	Number.	Tonnage	Number Inspected. By the Medical Officer of Health.	Number Inspected. By the San Inspr.	Number reported to be defective.	Number of Vessels on which defects were remedied	Number of Vessels reported as having or having had during voyage infectious disease on board.
Foreign :-							
Steamers	X. 1370.	518,949.	4.	549.	63.	46.	2.
Motor	1463.	25,139.	Nil.	3.	1.	1.	Nil.
Sailing	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.
Fishing	No record kept.		Nil.	710.	69.	58.	1.
Total Foreign :-	2,833.	544,088.	4.	1,262.	133.	105.	3.
Coastwise :-							
Steamers	X. 64.	11,424.	Nil.	85.	8.	5.	1.
Motor	91.	8,847.	Nil.	15.	2.	2.	Nil.
Sailing	13.	1,086.	Nil.	Nil.	Nil.	Nil.	Nil.
Fishing	No record kept.		Nil.	1,136.	120.	104.	8.
Total Coastwise :-	168.	21,357.	Nil.	1,236.	130.	111.	9.
Total Foreign & Coastwise :-	3,001.	565,445.	4.	2,498.	263.	216.	12.

X. As per Customs Returns. Excludes Vessels under 100 Tons Register.

4. Number of vessels entering and leaving the port.

Table 4.

	Number.	Tonnage	Number of Vessels Inspected. by the Sanitary Officer of Health.	Number of Vessels Inspected by the Sanitary Inspector.	Number of Vessels Actually were Inspected.	Number of Vessels Inspected or having Infectious diseases on board.
Steamers	1070.	324,910.	4.	320.	48.	3.
Motor Sailing	1427.	73,120.	312.	0.	1.	312.
Sailing	312.	912.	312.	312.	312.	312.
Floating	No record kept.		312.	72.	30.	1.
Total foreign :-	2,832.	398,028.	4.	2,407.	128.	3.
Steamers	X 64.	12,924.	312.	32.	4.	1.
Motor Sailing :-	71.	6,847.	312.	15.	3.	312.
Sailing	12.	1,080.	312.	312.	312.	312.
Floating	No record kept.		312.	1,132.	120.	104.
Total Australian :-	167.	21,327.	312.	1,336.	129.	9.
Total Foreign & Australian :-	2,999.	419,446.	4.	3,743.	256.	12.

X. As per Customs Returns. Sailing Vessels value 100 Tons Register.

PORT SANITARY AUTHORITY
BRISBANE.

11. CHARACTER OF TRADE OF PORT.

TABLE B.

(a) Passenger Traffic during the Year.

No of Passengers.	British	ALIENS. 1st Class	2nd Class.	3rd Class.	Transmigrants.
Inwards.	2260.	989.	Nil.	374.	15.
		(No Class shewn)			
Outwards.	2244.		1390.		222.

(b) Cargo Traffic.

Principal imports.

Foodstuffs :- Fish. Bacon. Pig Offal. Sugar. Butter. Fruit. Fruit Pulp. Potatoes. Tomatoes. Grapes. Green Vegetables. Lard. Yeast. Condensed Milk.

Other imports :- Timber. Pit props. Wood pulp.

Principal exports :-

Fish. Fish Meal. - Coal. Coke. Steel. Paper. Machinery.

(c)

Foreign Ports from which Vessels arrive.

Russia:-	Archangel. Igarka. Kovda. Leningrad. Murmansk. Onega.
Norway.	Drammen. Fredrikstad. Larvik. Oslo. Trondhjem.
Sweden.	Gothenburg. Gefle. Gamelby. Hernosand. Norrkoping.
"	Soderhamp. Stockholm. Sundsvall.
Finland.	Helsingfors. Hango. Kotka. Raumo. Trangsund. Viborg.
Germany.	Hamburg. Konigsberg. Bremen. Stettin.
Holland.	Amsterdam. Groningen. Rotterdam. Delfzyl.
Belgium.	Antwerp. Ghent.
France.	Le Harve. Brest. Calais. Bordeaux. Bayonne. Rouen.
"	Dieppe. Dunkirk. Marseilles.
Portugal.	Faro. Lisbon. Oporto.
Spain.	Cartagena. Castellon. Huelva. Malaga. Seville. Valencia.
Danzig.	Danzig.
Estonia.	Tallin.
Latvia.	Riga.

111. SOURCE OF WATER SUPPLY.

(a) For the Port.

The source of the fresh water supply for use in the Port is obtained from artesian wells, these are the property of the Grimsby Water-Works Company, who supply the whole of Grimsby. This water is of a high grade of purity, and there is an unlimited supply.

(b) Shipping. as above.

(c) Since the opening of the new Fish Dock, the number of water boats have decreased, only two are now in use, one in the above Dock and one in the Royal Dock, this is due to hydrants been fixed on the new Fish Dock, where Vessels take their supplies.

1V. PORT SANITARY REGULATIONS. 1933.

Numbers 1 to 12. As previously described in Annual Report. 1934.

TABLE C.

Cases of Infectious Sickness landed from Vessels.

Disease.	No of cases during year		Number of Vessels concerned.	Average no of cases for previous 5 years.
	Passengers.	Crew.		
Influenza.	---	10.	7.	49.
Pneumonia.	----	1.	1.	1.
Erysipelas.	----	1.	1.	-

TABLE D.

Cases of Infectious Sickness occurring on Vessels during the voyage but disposed of prior to arrival.

Disease.	No of cases during year		Number of Vessels concerned.	Average no of cases for previous 5 years.
	Passengers.	Crew		
Pneumonia.	-----	--	---	1.

No case of Plague, Cholera, Yellow Fever, Small-pox or Typhus occurred, or any Plague infected Rats were discovered during the Year

III. Review of Notes on Text.

(a) For the Park.

The source of the Park water-supply for use in the Park is obviously from artesian wells, since the ownership of the private water-motor domestic, who supply the whole of Alnwick, this water is of a high quality of purity, and thus it is well-adapted supply.

(b) Sewerage. As above.

(c) Since the opening of the new Main Drain, the number of major house have instituted, only the ones now in use, see in the above just and the 12 has drain work, this is due to improvements fixed on the new Main Drain, there remains four likely requirements.

IV. Most Satisfactory Sanitarium Limits.

Tables I to V. As previously inserted in Annual Report. 1924.

TABLE 1.

Cases of Infectious Diseases Dealt with Yearly.

Diseases.	No. of cases during year		Number of Yearly Notifications.	Average No. of cases for previous 5 years.
	Non-Notified.	Seen.		
Typhoid.	---	10.	7.	60.
Pneumonia.	----	1.	2.	1.
Erysipelas.	----	1.	1.	-

TABLE 2.

Cases of Infectious Diseases occurring in Typhoid during the Three Last Quarters of prior to Notified.

Diseases.	No. of cases during year		Number of Yearly Notifications.	Average No. of cases for previous 5 years.
	Non-Notified.	Seen.		
Pneumonia.	----	--	---	1.

In case of Typhus, Enteric, Puerperal Fever, Small-pox or Cholera occurred, or any other Infectious Diseases were discovered during the Year

V. MEASURES AGAINST RODENTS.

Numbers 1 to 5. As previously described in Annual Report for 1934.

Rats destroyed during the Year.

TABLE E.

(1) On Vessels.

Number of Rats.	Jan.	Feb.	Mch.	Apl.	May.	June.	July.	Aug.	Sep.	Oct.	Nov.	Dec.	Total in Year.
Black	100.	45.	41.	35.	99.	96.	40.	39.	42.	60.	58.	27.	682.
Brown	39.	22.	13.	16.	25.	23.	13.	18.	22.	25.	13.	11.	240.
Species not recorded			----------				Nil			----------			
Examined	6.				2.				2.			2.	
Infected with plague			----------				Nil			----------			
												Total :-	922.

TABLE F.

(2) In Docks.Quays.Wharves.and Warehouses.

Number of Rats.	Jan.	Feb.	Mch.	Apl.	May.	June.	July.	Aug.	Sep.	Oct.	Nov.	Dec.	Total in Year.
Black	50.	45.	89.	64.	100.	80.	108.	58.	121.	36.	148.	89.	988.
Brown	200.	300.	290.	360.	510.	474.	300.	290.	400.	370.	350.	200.	4044.
Species not recorded			----------				Nil			----------			
Examined					2.				2			2.	
Infected with plague			----------				Nil			----------			
												Total :-	5032.

Rats examined for Plague or other diseases :-

6 black Rats and 12 brown Rats were sent for examination and examined macroscopically.

The report from the Analyst is as follows :-

These Rats have been examined and found to be free from B.Pestis, or other diseases.

7. [illegible] of [illegible].

Months 1 to 5. [illegible] previously described in Annual Report for 1924.

[illegible] during the year.

TABLE 1.

(1) [illegible] in Years.

Months of [illegible]	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total in [illegible]
[illegible]	100	45	41	32	9	94	40	39	47	80	60	67	624
[illegible]	4	24	32	18	43	70	32	28	24	27	32	11	343
Positive [illegible] reported	---------- Nil ----------												
Continued	2			4			6			2			
Affected with plague	---------- Nil ----------												
Total :-													967

TABLE 2.

(2) In [illegible], [illegible], [illegible] and [illegible].

Months of [illegible]	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total in [illegible]
[illegible]	54	47	39	34	50	73	102	108	115	34	144	97	897
[illegible]	4	20	39	30	40	40	474	340	390	390	370	270	2024
Positive [illegible] reported	---------- Nil ----------												
Continued	2			4			6			8			
Affected with plague	---------- Nil ----------												
Total :-													2921

Data required for plague or plague [illegible] :-

6 plague data and 18 bubonic data were used for correlation and [illegible] [illegible].

The [illegible] from the [illegible] is as follows :-

[illegible] data have been [illegible] and found to be free from [illegible], or other diseases.

TABLE G.

Measures of Rat Destruction on Plague " infected " or " suspected " Vessel or Vessels from plague infected ports arriving in the Port during the year.

---------- Nil ----------

TABLE H.

Deratisation Certificates and Deratisation Exemption Certificates issued during the year.

Net Tonnage. 1.	No of Ships. 2.	No of Deratisation Certificates issued. After fumigation with H.C.N. 3.	Sulphur. 4.	H.C.N. & Sulphur. 5.	After trapping Poisoning etc. 6	7. Total.	No of Deratisation Exemption Certificates issued. 8.	Total Certificates issued. 9.
Ships up to 300 tons	13.						13.	13.
" from 301 tons to 1000 tons.	40.						40.	40.
" from 1001 " " 3000 " .	8.	----------	----------	Nil	----------	----------	8.	8.
" from 3001 " "10,000 " .	2.						2.	2.
" over 10,000 tons.								
Totals :-	63.						63.	63.

TABLE 6.

Summary of the contribution on figure " indexed " or " proportion " vessel or tragedy from ships indexed with arriving in the port during the year.

TABLE X.

Classification "certification and intimation consumption certification issued during the year.

Ex Company. 1.	No of Ship. 2.	No of Certification issued in the year of Investigation with					No of Certification issued. 8.	Total Certification issued. 9.
		E.I.R. 3.	Italian. 4.	E.I.R. & Italian. 5.	Other Company 6	Total. 7.		
Cities as in 3do load	15.						15.	18.
" from Bel load by 3ono tons.	40.						40.	40.
" from load " 3ono " .	8.						8.	8.
" from load " "3,000 " .	3.						3.	3.
" over 10,000 tons.								
Total :-	66.						66.	69.

VI. HYGIENE OF CREWS SPACES.

TABLE J.

Classification of Nuisances.

Nationality of Vessel.	Number inspected during the year.	Defects of original construction.	Structural defects through wear and tear.	Dirt, Vermin and other conditions prejudicial to health.
British.	2076.	Nil.	201.	422.
Other Nations.	422.	Nil.	62.	23.

On nearly all Fishing Vessels the forecastles are used for the storing of surplus deck gear.

VII. FOOD INSPECTION.

(1) No action was taken with reference to the above.

(2) There are no shell-fish beds in the area of the Port Sanitary Authority.

(3) Number of Samples of food examined by :-

(a) Bacteriologist. Nil.

(b) Analyst.

Nature of Sample.	Result of Examination.
1.	2.
1. Vegetable Salad.	Free from Preservatives.
2. do do	do do do
3. Grease.	Composed mainly of vegetable fats. Free from Preservatives.

TABLE 2.

Specifications of [illegible].

Specification of [illegible]	[illegible] [illegible] [illegible]	[illegible] [illegible] [illegible]	[illegible] [illegible] [illegible]	[illegible] [illegible] [illegible] [illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

of Assay; all stations through the [illegible] are used for the testing of regular [illegible].

VII. [illegible].

(1) In making our [illegible] we [illegible] in the [illegible].

(2) [illegible] we [illegible] in the area of the [illegible] [illegible].

(3) [illegible] of [illegible] of [illegible] by :-

(a) [illegible]. [illegible].

(b) [illegible].

[illegible] of [illegible].	[illegible] of [illegible].
1.	1.
2. [illegible] [illegible].	[illegible] [illegible].
3. [illegible] [illegible] [illegible]	[illegible] [illegible] [illegible] [illegible]
4. [illegible]	[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible].